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L12	44	simulat\$3 same test adj bench and test\$3 same specification same extract\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 17:03
L15	2	"5974241".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 17:04
S1	41	"703".clas. and simulat\$3 same test adj bench and DUT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 17:05
S2	31	S1 and (specification or product near3 description)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:44
S3	0	"700".clas. and simulat\$3 same test adj bench and DUT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 16:59
S4	10	"702".clas. and simulat\$3 same test adj bench and DUT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 17:00
S5	6	S4 and (specification or product near3 description)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 17:05
S6	34	"716".clas. and simulat\$3 same test adj bench and DUT	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 17:05

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S7	24	S6 and (specification or product near3 description)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 14:07
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1 [Automatic testing equivalence verification of spi calculus specifications](#)



Luca Durante, Riccardo Sisto, Adriano Valenzano

April 2003 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,

Volume 12 Issue 2

Publisher: ACM Press

Full text available: pdf(829.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Testing equivalence is a powerful means for expressing the security properties of cryptographic protocols, but its formal verification is a difficult task because of the quantification over contexts on which it is based. Previous articles have provided insights into using theorem-proving for the verification of testing equivalence of spi calculus specifications. This article addresses the same verification problem, but uses a state exploration approach. The verification technique is based on the ...

Keywords: Cryptographic protocols, equivalence verification, state space exploration

2 [Session 7: dynamic analysis: Inference and enforcement of data structure](#)

**consistency specifications**

Brian Demsky, Michael D. Ernst, Philip J. Guo, Stephen McCamant, Jeff H. Perkins, Martin Rinard

July 2006 **Proceedings of the 2006 international symposium on Software testing and analysis ISSTA '06**

Publisher: ACM Press

Full text available: pdf(172.48 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Corrupt data structures are an important cause of unacceptable program execution. Data structure repair (which eliminates inconsistencies by updating corrupt data structures to conform to consistency constraints) promises to enable many programs to continue to execute acceptably in the face of otherwise fatal data structure corruption errors. A key issue is obtaining an accurate and comprehensive data structure consistency specification. We present a new technique for obtaining data structure co ...

Keywords: data structure repair, dynamic invariant detection

3 [Automatic information extraction from large websites](#)




Valter Crescenzi, Giansalvatore Mecca

September 2004 **Journal of the ACM (JACM)**, Volume 51 Issue 5

Publisher: ACM Press

Full text available:

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

 [pdf\(1.13 MB\)](#)[terms](#)

Information extraction from websites is nowadays a relevant problem, usually performed by software modules called wrappers. A key requirement is that the wrapper generation process should be automated to the largest extent, in order to allow for large-scale extraction tasks even in presence of changes in the underlying sites. So far, however, only semi-automatic proposals have appeared in the literature. We present a novel approach to information extraction from websites, which reconciles recent ...


Keywords: Information extraction, relational model, wrappers

4 The relational model for database management: version 2

E. F. Codd

January 1990 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available:  [pdf\(28.61 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

From the Preface (See Front Matter for full Preface)

An important adjunct to precision is a sound theoretical foundation. The relational model is solidly based on two parts of mathematics: firstorder predicate logic and the theory of relations. This book, however, does not dwell on the theoretical foundations, but rather on all the features of the relational model that I now perceive as important for database users, and therefore for DBMS vendors. My perceptions result from 20 y ...

5 Application optimization: Sensitivity analysis for automatic parallelization on multi-cores



Silvius Rus, Maikel Pennings, Lawrence Rauchwerger

June 2007 **Proceedings of the 21st annual international conference on Supercomputing ICS '07**

Publisher: ACM Press

Full text available:  [pdf\(452.30 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Sensitivity Analysis (SA) is a novel compiler technique that complements, and integrates with, static automatic parallelization analysis for the cases when relevant program behavior is input sensitive. In this paper we show how SA can extract all the input dependent, statically unavailable, conditions for which loops can be dynamically parallelized. SA generates a sequence of sufficient conditions which, when evaluated dynamically in order of their complexity, can each validate the dynamic pa ...

Keywords: multicore, parallelism, sensitivity analysis

6 Level set and PDE methods for computer graphics



David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available:  [pdf\(17.07 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#)

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

7 Extracting usability information from user interface events

David M. Hilbert, David F. Redmiles

December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4**Publisher:** ACM Press

Full text available: pdf(1.50 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Modern window-based user interface systems generate user interface events as natural products of their normal operation. Because such events can be automatically captured and because they indicate user behavior with respect to an application's user interface, they have long been regarded as a potentially fruitful source of information regarding application usage and usability. However, because user interface events are typically voluminous and rich in detail, automated support is generally ...

Keywords: human-computer interaction, sequential data analysis, usability testing, user interface event monitoring

8 HOTTest: A model-based test design technique for enhanced testing of domain-specific applications



Avik Sinha, Carol Smidts

July 2006 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 15 Issue 3**Publisher:** ACM Press

Full text available: pdf(1.40 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Model-based testing is an effective black-box test generation technique for applications. Existing model-based testing techniques, however, fail to capture implicit domain-specific properties, as they overtly rely on software artifacts such as design documents, requirement specifications, etc., for completeness of the test model. This article presents a technique, HOTTest, which uses a strongly typed domain-specific language to model the system under test. This allows extraction of type-related ...

Keywords: Haskell, HaskellDB, Test case generation, database-specific test case generation, domain-specific languages, domain-specific testing, model-based testing, test generation tools

9 A scalable formal method for design and automatic checking of user interfaces



Jean Berstel, Stefano Crespi Reghizzi, Gilles Roussel, Pierluigi San Pietro

April 2005 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 14 Issue 2**Publisher:** ACM Press

Full text available: pdf(1.74 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The article addresses the formal specification, design and implementation of the behavioral component of graphical user interfaces. The complex sequences of visual events and actions that constitute dialogs are specified by means of modular, communicating grammars called VEG (Visual Event Grammars), which extend traditional BNF grammars to make them more convenient to model dialogs. A VEG specification is independent of the actual layout of the GUI, but it can easily be integrated with various la ...

Keywords: GUI design, Human-computer interaction (HCI), applications of model checking

10 Automatic generation of program specifications



Jeremy W. Nimmer, Michael D. Ernst

July 2002 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2002 ACM SIGSOFT international symposium on Software testing and analysis ISSTA '02**, Volume 27 Issue 4**Publisher:** ACM Press

Full text available:  [pdf\(154.41 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Producing specifications by dynamic (runtime) analysis of program executions is potentially unsound, because the analyzed executions may not fully characterize all possible executions of the program. In practice, how accurate are the results of a dynamic analysis? This paper describes the results of an investigation into this question, determining how much specifications generalized from program runs must be changed in order to be verified by a static checker. Surprisingly, small test suites cap ...

11 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Publisher: MIT Press

Full text available:  [pdf\(6.15 MB\)](#)  Additional Information: [full citation](#)
[Publisher Site](#)

12 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...


13 Testing large software with automated software evaluation systems



C. V. Ramamoorthy, S. F. Ho

April 1975 **ACM SIGPLAN Notices , Proceedings of the international conference on Reliable software**, Volume 10 Issue 6

Publisher: ACM Press

Full text available:  [pdf\(1.19 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In the past few years, research has been actively carried out in an attempt to improve the quality and reliability of large scale software systems. Although progress has been made on the formal proof of program correctness, proving large scale software systems correct by formal proof is still many years away. Automated software tools have been found to be valuable in improving software reliability and attacking the high cost of software systems. This paper attempts to describe some main fea ...

Keywords: Automated tools, Correctness, Performance, Software evaluation systems, Software reliability

14 Machine interpretation of CAD data for manufacturing applications



Qiang Ji, Michael M. Marefat

September 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(1.90 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Machine interpretation of the shape of a component for CAD databases is an important problem in CAD/CAM, computer vision, and intelligent manufacturing. It can be used in CAD/CAM for evaluation of designs, in computer vision for machine recognition and

machine inspection of objects, and in intelligent manufacturing for automating and integrating the link between design and manufacturing. This topic has been an active area of research since the late '70s, and a significant number of computat ...

Keywords: artificial intelligence, automated process planning, computer-aided design, computer-integrated manufacturing, feature recognition, flexible automation

15 Automatic Test Data Generation for XML Schema-based Partition Testing

Antonia Bertolino, Jinghua Gao, Eda Marchetti, Andrea Polini

May 2007 **Proceedings of the Second International Workshop on Automation of Software Test AST '07**

Publisher: IEEE Computer Society

Full text available:  [pdf\(254.81 KB\)](#) Additional Information: [full citation](#), [abstract](#)

We present the XML-based Partition Testing (XPT) approach for the automatic generation of XML instances from a XML Schema. The approach is inspired by the well-known Category Partition method for black-box testing. The generated instances can be used for inter-operability testing of applications that expect in input conforming XML instances, as well as for other interesting purposes, such as database population, XML Schema benchmarking, web services testing, and so on. The implementation of XPT ...

16 Data mining: Interactive wrapper generation with minimal user effort



Utku Irmak, Torsten Suel

May 2006 **Proceedings of the 15th international conference on World Wide Web WWW '06**

Publisher: ACM Press

Full text available:  [pdf\(288.78 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

While much of the data on the web is unstructured in nature, there is also a significant amount of embedded structured data, such as product information on e-commerce sites or stock data on financial sites. A large amount of research has focused on the problem of generating wrappers, i.e., software tools that allow easy and robust extraction of structured data from text and HTML sources. In many applications, such as comparison shopping, data has to be extracted from many different sources, making ...

Keywords: active learning, data extraction, wrapper generation

17 Automatic rate desynchronization of embedded reactive programs



Alain Girault, Xavier Nicollin, Marc Pouzet

August 2006 **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 5 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(758.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Many embedded reactive programs perform computations at different rates, while still requiring the overall application to satisfy very tight temporal constraints. We propose a method to automatically distribute programs such that the obtained parts can be run at different rates, which we call *rate desynchronization*. We consider general programs whose control structure is a finite state automaton and with a DAG of actions in each state. The motivation is to take into account long-duration ...


Keywords: Embedded programs, automatic distribution, desynchronization, long-duration tasks, parallelization algorithm, reactive systems

18 Automatic derivation of compiler machine descriptions



Christian S. Collberg


July 2002 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 24 Issue 4

Publisher: ACM PressFull text available:  pdf(1.20 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We describe a method designed to significantly reduce the effort required to retarget a compiler to a new architecture, while at the same time producing fast and effective compilers. The basic idea is to use the native C compiler at compiler construction time to discover architectural features of the new architecture. From this information a formal machine description is produced. Given this machine description, a native code-generator can be generated by a back-end generator such as BEG or burg ...

Keywords: Back-end generators, compiler configuration scripts, retargeting.**19** Information storage and retrieval: a survey and functional description

Jack Minker

September 1977 **ACM SIGIR Forum**, Volume 12 Issue 2**Publisher:** ACM PressFull text available:  pdf(5.14 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Information Storage and Retrieval (IS&R) encompasses a broad scope of topics ranging from basic techniques for accessing data to sophisticated approaches for the analysis of natural language text and the deduction of information. Within the field, three general areas of investigation can be distinguished not only by their subject matter but also by the types of individuals presently interested in them: (1) Document retrieval, (2) Generalized data management, and (3) Question-answering. A functional ...

Keywords: automatic indexing, data management, data structures, deductive search, information retrieval, natural language, problem solving, question-answering, relational data systems, theorem proving**20** Tools & techniques track: automatically managing media: On the extraction of vocal-related information to facilitate the management of popular music collections

Wei-Ho Tsai, Hsin-Min Wang

June 2005 **Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries JCDL '05****Publisher:** ACM PressFull text available:  pdf(242.72 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

With the explosive growth of networked collections of musical material, there is a need to establish a mechanism like a digital library to manage music data. This paper presents a content-based processing paradigm of popular song collections to facilitate the realization of a music digital library. The paradigm is built on the automatic extraction of information of interest from music audio signals. Because the vocal part is often the heart of a popular song, we focus on developing techniques to ...

Keywords: music digital library, music information retrieval, query-by-example, solo voice modeling, vocal/non-vocal segmentation

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SW Liddle, SH Yau, DW Embley - ... of the International Workshop on **Data Semantics** in Web ..., 2001 - Springer

... initial experience suggests anecdotally that these assumptions are reasonable, but we will **test** this assertion ... On the **Automatic Extraction** of **Data** from the ...

Cited by 21 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Comparison of four approaches to **automatic** language identification of telephone speech - all 3 versions »](#)

MA Zissman - Speech and Audio Processing, IEEE Transactions on, 1996 - [ieeexplore.ieee.org](#)

... template matching on the **test data**. After this initial work, researchers have tended to focus on **automatic** spectral feature **extraction**, unsupervised training ...

Cited by 125 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Ontology-based **extraction** and structuring of information from **data-rich** unstructured documents - all 18 versions »](#)

DW Embley, DM Campbell, RD Smith, SW Liddle - Proceedings of the seventh international conference on ..., 1998 - [eccecs.uc.edu](#)

... will replace manual gathering of pages with an **automatic** agent to ... For our **test** sets, Tables 1 and 2 show the ... a record is as- sumed by our **extraction** algorithm. ...

Cited by 102 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Extraction of musical performance parameters from audio **data** - all 6 versions »](#)

S Dixon - Proceedings of the First IEEE Pacific-Rim Conference on ..., 2000 - [oefai.at](#)

... a front end for an **automatic** transcription system ... were achieved for the stated **test** examples; it ... only work explicitly concerned with **extraction** of performance ...

Cited by 14 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Feature **extraction** based built-in alternate **test** of RF components using a noise reference - all 5 versions »](#)

SS Akbay, A Chatterjee - VLSI **Test** Symposium, 2004. Proceedings. 22nd IEEE, 2004 - [ieeexplore.ieee.org](#)

... The **automatic extraction** of **test** response features from the ... is shown that once such feature **extraction** is performed ... that add significantly to the **test** time and ...

Cited by 14 - [Related Articles](#) - [Web Search](#)

[Mutually enhancing **test** generation and **specification** inference - all 10 versions »](#)

T Xie, D Notkin - Proc. 3rd International Workshop on Formal Approaches to ... - Springer

... The algebraic **specification** of abstract **data** types. ... J., Martin, MC, Lam, MS: **Automatic Extraction** of Object ... Notkin, D.: Tool-Assisted Unit **Test** Selection Based ...

Cited by 13 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Classification of Multispectral Image **Data** by **Extraction** and Classification of Homogeneous Objects - all 6 versions »](#)

RL KETTIG, DA LANDGREBE - Transactions on Geoscience Electronics, 1976 - [ece.www.ecn.purdue.edu](#)

... The acronym ECHO (**extraction** and classification of homogeneous objects ... ie, simply consider the **data** in one ... but paradoxically the resultant **test** criterion is ...

Cited by 72 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

A pragmatic information **extraction strategy for gathering **data** on genetic interactions - all 6 versions »**

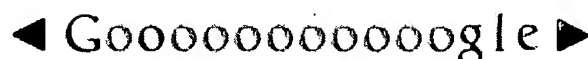
D Proux, F Rechenmann, L Julliard - Proc Int Conf Intell Syst Mol Biol, 2000 - nlp.korea.ac.kr
... for their system of **automatic extraction** of protein-protein ... For this **test** the request scenarios were not ... Therefore the **extraction** mechanism was not supposed to ...
[Cited by 49](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Automatic parsing and indexing of news video - all 2 versions »

HJ Zhang, SY Tan, SW Smoliar, G Yihong - Multimedia Systems, 1995 - Springer
... An approach for **automatic** selection of a proper threshold ... robust content-based key frame **extraction** technique that ... 2; the **test data** consist of two half- hour ...
[Cited by 135](#) - [Related Articles](#) - [Web Search](#)

Data Extraction and Ad Hoc Query of an Entity--Attribute--Value Database - all 6 versions »

PM Nadkarni, C Brandt - Journal of the American Medical Informatics Association, 1998 - 171.66.121.52
... query by name, optionally edit its **specifications**, and run ... are standardized with respect to **test** units. **Data** Extracts In **data extraction**, the user extracts all ...
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Automatic extraction of executable program subsets by simultaneous dynamic program slicing

RJ Hall - Automated Software Engineering, 1995 - Springer

... dynamic slice for a collection of **test** inputs. ... **AUTOMATIC EXTRACTION OF EXECUTABLE PROGRAM SUBSETS** 41 ... Of course, empirical performance **data** (reported below) may ...

Cited by 15 - [Related Articles](#) - [Web Search](#)

A brief survey of web data extraction tools - all 16 versions »

AHF Laender, BA Ribeiro-Neto, AS da Silva, JS ... - ACM SIGMOD Record, 2002 - portal.acm.org

... noted that the pro- cess is fully **automatic** and no ... In this tool, a set of **extraction** rules is induced ... instances to create rules and also to **test** the accuracy ...

Cited by 197 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatic Generation of Conformance Tests From Message Sequence Charts - all 2 versions »

P Baker, P Bristow, C Jervis, D King, B Mitchell - 3rd SAM Workshop-" Telecommunication and Beyond The broader ... - Springer

... cross-check **data** use in an MSC with the **data** declarations contained ... linear ordering of interleaved action boxes, or the **automatic extraction** of **test** steps. ...

Cited by 20 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[book] Dependence Analysis for Supercomputing

UK Banerjee - 1988 - Kluwer Academic Publishers Norwell, MA, USA

Cited by 524 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

Specification and design of embedded software-hardware systems - all 2 versions »

D Gajski, F Vahid - IEEE Design & Test of Computers, 1995 - citeseer.ist.psu.edu

... 1992 ACM DBLP 61 **Automatic extraction** of functional ... 1994 ACM 9 A **data** flow graph ... 1991 5 Towards achieving a 100-hour design cycle: A **test** case (context ...

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An interactive beat tracking and visualisation system - all 9 versions »

S Dixon - Proceedings of the International Computer Music Conference, 2001 - oefai.at

... based re- trieval of audio **data** in multimedia databases and libraries, score **extraction** and **automatic** transcription of music. ... 2001), using their **test data**. ...

Cited by 30 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Realistic Fault Extraction for High-Quality Design and Test of VLSI Systems - all 5 versions »

FM Goncalves, IC Teixeira, JP Teixeira - IEEE International Symposium on Defect and Fault Tolerance ..., 1997 - doi.ieeecomputersociety.org

... is optional, as most of the **automatic test** pattern generators ... defect- oriented circuit and fault **extraction** has been ... of a DOT virtual **test** environment, DOTLab. ...

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The AURORA Experimental Framework for the Performance Evaluations of Speech Recognition Systems ... - all 5 versions »

HG Hirsch, D Pearce - ISCA ITRW ASR2000, 2000 - slt.atr.co.jp

... ISCA ITRW ASR2000 "**Automatic** Speech Recognition: Challenges for the ... The third **test** set, called **test** set C ... when applying different feature **extraction** schemes. ...

[Cited by 276](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Automatic detection of oil spills in ERS SAR images - all 7 versions »

AHS Solberg, G Storvik, R Solberg, E Volden - Geoscience and Remote Sensing, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)

... After spot detection and feature **extraction**, we have ... SCHISTAD SOLBERG et al.: **AUTOMATIC DETECTION OF OIL SPILLS** 1919 ... The **data** set used to **test** the performance ...

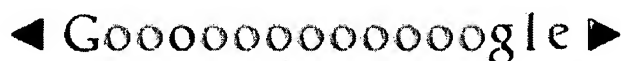
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Conceptual-Model-Based Data Extraction from Multiple-Record Web Pages - all 17 versions »

DW Embley, DM Campbell, YS Jiang, SW Liddle, YK Ng ... - DKE, 1999 - [dagwood.cs.byu.edu](#)

... In our approach, wrapper generation is fully **automatic** once the ... In our **data extraction** approach, obtaining pages of interest ... set and those used in the **test** set ...

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Block based design methodology - all 6 versions »

H Chang, L Cooke, M Hunt, W Ke, CK Lennard, G ... - US Patent 6,701,504, 2004 - Google Patents
 ... DISTRIBUTE GLUE MODIFY CLOCK PLAN MODIFY SPEC FIG. 8 *" CHIP ASSEMBLY /DETAILED
 TIMING V^A **DATA** FIG. 10 ... FEA T CHIP FUNCTIONAL MODEL CHIP **TEST BENCH** 8210 - ...

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Test bench interface generator for tester compatible simulations - all 3 versions »

GT Fusco - US Patent 5,974,241, 1999 - Google Patents
 ... set (Brdr_r_A_enb = **data** at 60 ns rnto perrod); # Out-to-In trme ... The **test** vector
extraction is deter- ... If determining whether a design **test bench** conforms to ...

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Method for capturing ASIC I/O pin data for tester compatibility analysis - all 3 versions »

SD Johnson - US Patent 5,995,740, 1999 - Google Patents
 ... pin **data** for ATE **test** pattern **extraction** from digital ... a second signal in a **test bench**;
 and determining ... that is contained within a **testbench** (second) model. ...

Cited by 17 - [Related Articles](#) - [Web Search](#)

Defect-Oriented Testing of Mixed-Signal ICs: Some Industrial Experience - all 5 versions »

Y Xing - International **Test** Conference, 1998 - doi.ieeecs.org
 ... After fault **extraction** a tool, called DOTSS (Defect- Oriented ... A **test bench** has to
 be provided by the user ... process monitoring: in some cases **test data** on process ...

Cited by 34 - [Related Articles](#) - [Web Search](#)

[book] Java Virtual Machine Specification - all 18 versions »

T Lindholm, F Yellin - 1999 - Addison-Wesley Longman Publishing Co., Inc. Boston, MA, USA
 ... KW Hau, Anthony S. Fong, **Test bench** for software ... Pavlopoulou, Michal Young, Residual
test coverage monitoring ... Mohnen, An open framework for **data-flow** analysis ...

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A design for testability technique for RTL circuits using control/data flow **extraction** - all 13 versions »

I Ghosh, A Raghunathan, NK Jha - Computer-Aided Design, 1996. ICCAD-96. Digest of Technical ..., 1996 -
 ieeexplore.ieee.org

... 3.2%, 0.9% and 4.1%, respectively, for **bench-** marks), high ... done by a state machine
extraction program starting ... Sometimes **test** multiplexers have to be added in ...

Cited by 37 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

A built-in self-test strategy for wireless communication systems - all 4 versions »

BR Veillette, GW Roberts - **Test** Conference, 1995. Proceedings., International, 1995 - ieeexplore.ieee.org
 ... Section V will examine param- eter **extraction** methods ... Indeed, because the output
 is sampled **data**, images of the ... but the limitations of our **test bench** mask this ...

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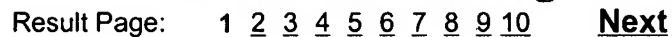
Immunotronics-novel finite-state-machine architectures with built-in self-test using self-nonself ... - all 5 versions »

DW Bradley, AM Tyrrell - Evolutionary Computation, IEEE Transactions on, 2002 - ieeexplore.ieee.org

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[V Crescenzi](#)
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Accomplishments and challenges in literature data mining for biology - all 19 versions »

L Hirschman, JC Park, J Tsujii, L Wong, CH Wu - Bioinformatics, 2002 - bioinformatics.oupjournals.org
 ... 2000) customized an in- formation **extraction** system called ... **T EST DATA** . Once a system
 is built, it must be evaluated on blind **test data**—data that neither the ...

Cited by 181 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Roadrunner: Towards automatic data extraction from large web sites - all 12 versions »

V Crescenzi, G Mecca, P Merialdo... - ... of the 27th International Conference on Very Large Data ..., 2001 -
 blondie.cs.byu.edu

... **data** are extracted in a completely **automatic** way; 2 ... a crucial problem in solving
 the **data extraction** prob- lem ... of experiments on real-life **data**-intensive Web ...

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Towards automatic extraction of monolingual and bilingual terminology - all 2 versions »

B Daille, É Gaussier, JM Langé - Proceedings of the 15th conference on Computational ..., 1994 -
 portal.acm.org

... likelihood ratio **test**, and the number of occur- fences ... enable us to visualize our
data more easily ... of combined techniques for **Automatic Extraction** of Terminology ...

Cited by 89 - [Related Articles](#) - [Web Search](#)

Automatic extraction of object-oriented observer abstractions from unit-test executions - all 11 versions »

T Xie, D Notkin - Proc. 6th International Conference on Formal Engineering ..., 2004 - Springer
 ... We present and implement an **automatic** approach for ... ob- server abstractions from
 unit-**test** executions ... 22, 23]) that enable the dynamic **extraction** of observer ...

Cited by 12 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Automatic extraction of the control flow machine and application toevaluating coverage of ... - all 4 versions »

YV Hoskote, D Moundanos, JA Abraham - Computer Design: VLSI in Computers and Processors, 1995. ...,
 1995 - [ieeexplore.ieee.org](#)

Page 1 **Automatic Extraction** of the Control Flow Machine and ... the functional cov- erage
 of a **test** sequence would be ... However, most designs have a **data** path of sub ...

Cited by 50 - [Related Articles](#) - [Web Search](#)

Automatic test knowledge extraction from VHDL (ATKET) - all 3 versions »

P Vishakantaiah, J Abraham, M Abadir - Design Automation Conference, 1992. Proceedings., 29th ACM/ ...,
 1992 - [ieeexplore.ieee.org](#)

... paper describes ATKET, an **Automatic Test Knowledge Extraction** ... Section 6. 3 Information
extraction Structural and ... different pieces of **test** knowledge generated ...

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A best-first alignment algorithm for automatic extraction of transfer mappings from bilingual ... - all 17 versions »

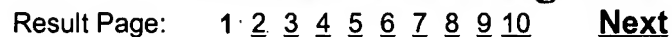
A Menezes, SD Richardson - Proceedings of the workshop on Data-driven methods in ..., 2001 - portal.acm.org
 A best-first alignment algorithm for **automatic extraction** of transfer ... has focused
 on the **automatic** acquisition of ... The **test** sentences were randomly chosen from ...

Cited by 75 - [Related Articles](#) - [Web Search](#)

M Vargas-Vera, E Motta, J Domingue, M Lanzoni, A ... - Proceedings of EKAW 2002, 2002 - Springer ... web) and let the system create **test** and training ... Dictionary Construction for Information **Extraction** in Three ... Driven Semi-automatic and **Automatic** Support for ...
Cited by 135 - Related Articles - Web Search - BL Direct

RS Tupuri, A Krishnamachary, JA Abraham, TM Div, ... - Design Automation Conference, 1999. Proceedings. 36th, 1999 - ieeexplore.ieee.org
 ... An **automatic** functional con- straint **extraction** algorithm is then ... **test** vectors that are generated for the high-end processor cannot be used to **test** the **data** ...
[Cited by 34](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

T Xie, D Notkin - Automated Software Engineering, 2003. Proceedings. 18th IEEE ..., 2003 - ieeexplore.ieee.org
... alternative is to use one of a variety of **automatic unit test** ... in the abstract **data type specification**. The basic JUnit **test** suite does not expose any fault but ...
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